

CHEA -- U.S. Patent Appln. No. 09/584,094
Attorney Docket No.: 081831-0258174

- Amendment Under §1.116-

IN THE SPECIFICATION:

Please amend the specification as follows:

Please replace the paragraph beginning on page 4, line 10 (and bridging onto page 5, line 5) with the following amended paragraph:

-- Hub communication transceiver 55 comprises a transmitter device (i.e., driver device) 56, a receiver device 58, and a processor 100. Hub communication transceiver 55 is coupled to a transmission facility (i.e., central office/node (CO)) 54, which, for example, transmits a data signal destined for a subscriber 64. The data signal, such as a pulse code modulated (PCM) signal, carries digitally-encoded data. It should be noted that the data signal is susceptible to distortions during transmission across the communications media. Such distortions may affect certain attributes of the data signal, such as phase and amplitude. A receiver device (not shown) receives the data signal from CO 54. Processor 100 is electrically coupled to the receiver device, driver device 56, and receiver device 58. In this configuration, processor 100 receives the potentially distorted data signal from the receiver device, regenerates the data signal, and outputs the regenerated data signal. Simply put, processor 100 is configured to receive a distorted data signal, to decompose the distorted data signal into component signals, to process the component signals to compensate for the effects of the communications media on the data signal, and to combine the component signals to regenerate the data signal. Then, driver device 56 transmits the regenerated data signal to peripheral communication transceiver 65 across communications link 60. In the specific embodiment illustrated herein, processor 100 comprises a communication processor as disclosed in the commonly-assigned copending application filed on even date herewith and issuing as U.S. Patent No. 6,823,001 in the name of Woody A. Chea, entitled "Dual Stage Communication Processor," the content of which is hereby expressly incorporated herein in its entirety. --